HARMAN STOVE COMPANY

Surefire 512H Battery Backup

For Pellet Stoves and Coal Stokers

When Your Power Quits!! - Surefire 512H Takes Over

At Last - The Missing Link

There are many advantages to using a pellet stove or coal stoker Have you rejected the idea because of:

- ***Frequent power blackouts in you neighborhood?***
- ***Lack of electricity in remote places?***

The Surefire 512H is designed to backup or replace utility power. When it is used with a common 90 A-hr, deep cycle marine battery, its highly efficient circuitry provides approximately 8 hours of operation from a wood pellet stove or stoker in the absence of electricity. It also works with automatic ignition stoves.

Here is how it works

The Surefire 512H interfaces between a pellet stove or coal stoker and the AC electrical supply.

When electricity is present the Surefire 512H charges a battery and surveys the power line. At the instant that a power failure occurs, the Surefire 512H converts the energy stored in the battery to AC power. This assures operation of the stove without interruption during the absence of electricity.

When AC utility power is restored, the Surefire 512H reinstates AC utility power as the prime energy source to operate the pellet stove or coal stoker. Simultaneously and automatically the Surefire 512H commences the recharging of the battery, to return it to full capacity in preparation for the next power failure.

At sites where utility power is not present, the user should determine if there is a sufficient reserve of battery capacity to enable the pellet stove or coal stoker to operate for the desired time period. Consult the Surefire 512H operating manual for data relating the size and number of batteries needed.

Figure 1 illustrates the interconnections between the pellet or stoker stove, Surefire 512H and battery.

The 512H will operate the following:

- *Accentra*
- *Advance*
- *P38+*
- *P61 & 61A*
- *P68*
- *PC45*
- *XXV*
- *Magnum Stoker*
- *DVC-500*
- *VF-3000*

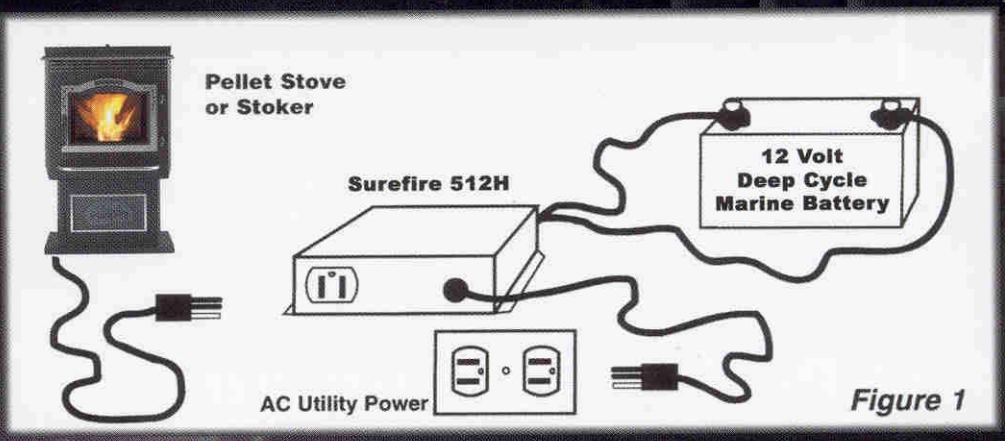

Figure 1

Electrical Specifications

Input Voltage (AC)	105-125 Vac	Maximum Backup Power:	500 nom/650 peak
Input Current (AC)	6A peak	Maximum Charging Current:	12 Adc
Input Current (DC)	75A max	Average Recharge Time:	12 Hrs
Battery Cutout Voltage:	10.5 Vdc	(For a 90 Ahr.battery depleted to 10.5 Vdc)	

***Other models besides the ones listed may operate properly with the Surefire 512H*

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